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OM protein - protein search, using sw model

Run on: January 8, 2002, 22:26:00 ; Search time 22.62 Seconds

(without alignments)

Sequence 450.663 Million cell updates/sec

Title: US-09-635-521a-2

Perfect score: 2334

Sequence: 1 MASPLSPGSDCQOIDHSHV.....NSGAKPANSAAENGFOEHEV 453

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_MN:*

1: /cgn2_6/pctodata/2/1aa/5A_COMB_pep:*

2: /cgn2_6/pctodata/2/1aa/6A_COMB_pep:*

3: /cgn2_6/pctodata/2/1aa/6A_COMB_pep:*

4: /cgn2_6/pctodata/2/1aa/6B_COMB_pep:*

5: /cgn2_6/pctodata/2/1aa/backfilesls1.pep:*

6: /cgn2_6/pctodata/2/1aa/backfilesls1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 419 18.0 416 3 US-09-855-8762-4 Sequence 4, Appli

2 419 18.0 416 4 US-09-472-8860-4 Sequence 4, Appli

3 404 17.3 410 3 US-09-855-8762-2 Sequence 2, Appli

4 404 17.3 410 4 US-09-472-8860-2 Sequence 2, Appli

5 403.5 17.3 353 5 PCT-US93-08524-45 Sequence 45, Appli

6 370.5 15.9 319 3 US-09-833-3995-2 Sequence 2, Appli

7 370.5 15.9 319 4 US-09-372-4982-2 Sequence 2, Appli

8 310.5 13.3 353 4 US-09-071-6754-3 Sequence 3, Appli

9 308 13.2 364 4 US-09-071-6754-16 Sequence 16, Appli

10 299 12.8 364 4 US-09-071-6754-8 Sequence 8, Appli

11 299 12.8 366 4 US-09-071-6754-13 Sequence 13, Appli

12 287.5 12.3 302 4 US-09-071-6754-2 Sequence 2, Appli

13 275.5 11.8 302 4 US-09-071-6754-7 Sequence 7, Appli

14 272.5 11.7 380 1 US-09-119-788-2 Sequence 40, Appli

15 272.5 11.7 380 3 US-09-299-843A-40 Sequence 40, Appli

16 264.5 11.3 444 4 US-09-119-788-2 Sequence 2, Appli

17 258 11.1 346 4 US-09-199-737-5 Sequence 5, Appli

18 258 11.1 346 4 US-09-199-737-5 Sequence 3, Appli

19 257 11.0 349 3 US-09-513-974B-343 Sequence 343, Appli

20 257 10.9 348 3 US-09-513-974B-46 Sequence 46, Appli

21 254 10.9 348 3 US-09-513-974B-342 Sequence 342, Appli

22 254 10.9 348 4 US-09-993-088A-10 Sequence 10, Appli

23 254 10.9 348 4 US-09-993-088A-10 Sequence 12, Appli

24 250.5 10.7 428 1 US-09-816-283-12 Sequence 12, Appli

25 250.5 10.7 428 1 US-09-417-103-12 Sequence 11, Appli

26 250 10.7 428 4 US-09-993-088A-11 Sequence 11, Appli

ALIGNMENTS

RESULT 1 US-09-858-876A-4

; Sequence 4, Application US/08858876A

; Patent No. 6022856

; GENERAL INFORMATION:

; APPLICANT: Daniel CAPUT

; APPLICANT: Pascale CHALON

; APPLICANT: Pascal FERRARA

; APPLICANT: Vita NATALIO

TITLE OF INVENTION: type 2 Neurotensin Receptor

TITLE OF INVENTION: (INT-R2)

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Jacobson, Price, Holman & Stern, PLC

STREET: 400 Seventh Street

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/858,876A

FILING DATE: 19-SEP-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR 9723204

FILING DATE: 17-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: Player, William E.

REGISTRATION NUMBER: 31.049

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 416 amino acids

TYPE: amino acid

TOPOLGY: linear

MOLECULE TYPE: protein

US-09-858-876A-4

Query Match Score 419; DB 3; Length 416;

Best Local Similarity 28.0%; Pred. No. 3 5e-33;

Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;

Qy 28 WIKITLIVLIVTFWMLGLNSATIRTVOIQLKEVTDHMVLASCLDILVFLIGM 87

Db 30 WAKVLTALYSLIFAGTGNALSVHV--VLKARAGRGRRLRVHLVLSLALSLLVSM 87

QY 88 PMEFYFISIWNPLTTSYTLCKLHTFLFEACSYATLHVLTSLFERRYTAICHPFRKAVS 147
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 88 PMELYNFVWSHPPWFGLGCRGYVYRELCAYATVLVSASLAERCLAVCQPLRARRLL 147
 QY 148 GPCQVKLILIGFWWTALVALPYLEMGTEPLVNPSHRLTCRRSSTRRHQEFTSM 207
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 148 TPRTRRLLSLWVVALGLPLMAVINGQKH--EVESADG-----EPEPAS- 191
 QY 208 SICTNLSSRWTV--FOSSIFGAFVVYLWLLSVAFMCWNMMQL----- 249
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 192 RVCTVLSRATLQFVQVNVLSFAPLALTAFLNGITVNHMLAQSOPASAQVSSIP 251
 QY 250 ---MKSQKG-----SLAGTRPPLRKSESESRTARROTITFLRLIVVTLAVCW 296
 :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 252 SRLELSSEEGLGFITWRKTLSLGVQASLVRHKDASQIRSLQHSAQV-LRAIVAVVTCW 310
 QY 297 MPNQIRRIMAAAKPKHDWTRSYFRAYMILPSETTYLSSVINPLIYTWSQQFRFV 356
 :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 311 LPYHARRLMCYIPDGWTNELYDFHYFMYNTLFYVSSAVPIPLYNAVSSSPRKFL 370
 QY 357 QVLCRRLSLOHA 368
 ||| :|:
 Db 371 ESLGSLCGEQHS 382

RESULT 2
 US-09-472-880-4
 ; Sequence 4, Application US/09472880
 ; Patent No. 6214333

GENERAL INFORMATION:
 APPLICANT: Daniel CAPUT
 Pascalle CHALON
 Pascual FERRARA
 Vita NATALIO

TITLE OF INVENTION: Type 2 Neurotensin Receptor
 NUMBER OF SEQUENCES: 12 (HNT-R2)
 CURRENT APPLICATION DATA:
 ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
 STREET: 400 Seventh Street
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/472, 880
 FILING DATE: 28-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR 9723204
 FILING DATE: 17-MAR-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Player, William E.

PRIOR APPLICATION DATA:
 REGISTRATION NUMBER: 31,049
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 416 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-472-880-4
 Query Match Score 419; DB 4; Length 416;
 Best Local Similarity 28.0%; Pred. No. 3.5e-33;
 Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;

QY 28 WIKILILVYLIFVGMGLNSATRVTOVLOKKYLOKEVNDHMSLACSDILVELIGM 87
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 30 WAKVFTALYSLIFAGFTAGNALSVHV--VLKURAGRGRPLRYHVLSSLALSALLLIVS 87
 QY 88 PMELYNFVWSHPPWFGLGCRGYVYRELCAYATVLVSASLAERCLAVCQPLRARRLL 147
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 88 PMELYNFVWSHPPWFGLGCRGYVYRELCAYATVLVSASLAERCLAVCQPLRARRLL 147
 QY 148 GPCQVKLILIGFWWTALVALPYLEMGTEPLVNPSHRLTCRRSSTRRHQEFTSM 207
 ||| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
 Db 148 TPRTRRLLSLWVVALGLPLMAVINGQKH--EVESADG-----EPEPAS- 191
 QY 208 SICTNLSSRWTV--FOSSIFGAFVVYLWLLSVAFMCWNMMQL----- 249
 ||| :|:|:|:|:|:|:|:|:|:|:
 Db 192 RVCTVLSRATLQFVQVNVLSFAPLALTAFLNGITVNHMLAQSOPASAQVSSIP 251
 QY 297 MPNQIRRIMAAAKPKHDWTRSYFRAYMILPSETTYLSSVINPLIYTWSQQFRFV 356
 :|:|:|:|:|:|:|:|:|:|:
 Db 311 LPYHARRLMCYIPDGWTNELYDFHYFMYNTLFYVSSAVPIPLYNAVSSSPRKFL 370
 QY 357 QVLCRRLSLOHA 368
 ||| :|:
 Db 371 ESLGSLCGEQHS 382

RESULT 3
 US-08-858-876A-2
 ; Sequence 2, Application US/088858876A
 ; Patent No. 602256
 GENERAL INFORMATION:
 APPLICANT: Daniel CAPUT
 APPLICANT: Pascalle CHALON
 APPLICANT: Pascual FERRARA
 APPLICANT: Vita NATALIO

TITLE OF INVENTION: Type 2 Neurotensin Receptor
 NUMBER OF SEQUENCES: 12 (HNT-R2)
 CURRENT APPLICATION DATA:
 ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
 STREET: 400 Seventh Street
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/858, 876A
 FILING DATE: 19-SEP-1997
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR 9723204
 FILING DATE: 17-MAR-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Player, William E.

PRIOR APPLICATION DATA:
 REGISTRATION NUMBER: 31,049
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 410 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-858-876A-2
 Query Match Score 419; DB 4; Length 416;
 Best Local Similarity 28.0%; Pred. No. 3.5e-33;
 Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;

INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

US-08-118-270-45
 Query Match 17.3%; Score 403.5; DB 1; Length 353;
 Best Local Similarity 31.3%; Pred. No. 9.3e-2;
 Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;

QY 30 KITLILVYLIFVMGLGSNSATIRVTQVLOKKGY--LOKEVTDHMSLACSDILVFLIGM 87
 Db 1 KVLYTAYIYLAEWVGVGNSVT--AFTLARKSLSQSLQSTVHYHLSLALSDDLILW- 56
 QY 88 PMEFSISIW-NPLTTSYTSLLCKLHFPLRCSYMTLHLTSFERYTAICHPFRYKAV 146
 Db 57 -VELYNFTWHHPWAEGD--AGCRRGYVFLRDACTYATALNVLASLVSERYLAICHPFKAKL 113
 QY 147 SGPCOKKLIGFWWMSALVALPFLAMGEPEYPLVNVPSPHRLGTCNRSSSTRHHQPEPSN 206
 Db 114 MRSRTRKKFTSAIWLASALLAPMLFTLGQ-----NRSGDGT 154
 QY 207 MSICTNLSSRWT--VFQSSISGAFAVYLVVLLSVAFMCWNMMQVLM--KSOKGSSLAGGT 261
 Db 155 GLVCPTPIVDATKVVIQVNTWMSLFPMUVTINTVIAKLTIVMHQAEGQRVCTVG 214
 QY 262 RPPOLRKS---ESEEST-ARQQTIFLRLLVTVTLAVCMNPQIRRIMAAAKPKHDWTR 316
 Db 215 THNGLHSHTFNMRERGRVQLRHGVVLVRRAWVIAFWVCWL-----YLCYISDEQWRT 268
 QY 317 SYFRAYMILLPSETTEFLPLSVINPLIYTWSQDFRFVQVLCC 361
 Db 269 FLFDFTYHIFTMLNALFYVSSAINPILYLNLSANFRQVFLSTLAC 313

INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

PCT-US93-08528-45
 Query Match 17.3%; Score 403.5; DB 5; Length 353;
 Best Local Similarity 31.3%; Pred. No. 9.3e-32;
 Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;

QY 30 KITLILVYLIFVMGLGSNSATIRVTQVLOKKGY--LOKEVTDHMSLACSDILVFLIGM 87
 Db 1 KVLYTAYIYLAEWVGVGNSVT--AFTLARKSLSQSLQSTVHYHLSLALSDDLILW- 56
 QY 88 PMEFSISIW-NPLTTSYTSLLCKLHFPLRCSYMTLHLTSFERYTAICHPFRYKAV 146
 Db 57 -VELYNFTWHHPWAEGD--AGCRRGYVFLRDACTYATALNVLASLVSERYLAICHPFKAKL 113
 QY 147 SGPCOKKLIGFWWMSALVALPFLAMGEPEYPLVNVPSPHRLGTCNRSSSTRHHQPEPSN 206
 Db 114 MRSRTRKKFTSAIWLASALLAPMLFTLGQ-----NRSGDGT 154
 QY 207 MSICTNLSSRWT--VFQSSISGAFAVYLVVLLSVAFMCWNMMQVLM--KSOKGSSLAGGT 261
 Db 155 GLVCPTPIVDATKVVIQVNTWMSLFPMUVTINTVIAKLTIVMHQAEGQRVCTVG 214
 QY 262 RPPOLRKS---ESEEST-ARQQTIFLRLLVTVTLAVCMNPQIRRIMAAAKPKHDWTR 316
 Db 215 THNGLHSHTFNMRERGRVQLRHGVVLVRRAWVIAFWVCWL-----YLCYISDEQWRT 268
 QY 317 SYFRAYMILLPSETTEFLPLSVINPLIYTWSQDFRFVQVLCC 361
 Db 269 FLFDFTYHIFTMLNALFYVSSAINPILYLNLSANFRQVFLSTLAC 313

INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

RESULT 6
 PCT-US93-08528-45
 ; Sequence 45, Application PC/TUSS308528

GENERAL INFORMATION:
 APPLICANT: New York University
 TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
 NUMBER OF SEQUENCES: 348

CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWDY AND NEIMARK
 STREET: 419 Seventh Street, N.W., Suite 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/08528
 FILING DATE: 09-SEP-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/943, 236
 FILING DATE: 10-SEP-1992
 ATTORNEY/AGENT INFORMATION:

NAME: Townsend, Kevin G.
 REGISTRATION NUMBER: 34,033
 REFERENCE/DOCKET NUMBER: MURPHY=2 PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-628-5197
 TELEX: 248033

INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 353 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

RESULT 7
 US-08-832-399-2
 ; Sequence 2, Application US/08832399

GENERAL INFORMATION:
 PATENT NO. 6008050
 APPLICANT: Bergsma, Derk
 APPLICANT: Shabon, Usman
 TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
 NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:
 ADDRESSEE: SmithKline Beecham Corporation
 STREET: 709 Swedeland Road
 CITY: King of Prussia
 STATE: PA
 COUNTRY:
 ZIP: 19406

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/832, 399
 FILING DATE: 02-APR-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:
 FILING DATE:
 NAME: King, William T
 REGISTRATION NUMBER: 30, 954
 REFERENCE/DOCKET NUMBER: GH0020
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-270-5515

TELEFAX: 610-270-5090
 TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 319 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

; US-08-332-399-2

Query Match 15.9%; Score 370.5; DB 3; Length 319;
 Best Local Similarity 26.1%; Pred. No. 1.4e-28; Mismatches 123; Indels 83; Gaps 7;

; Matches 93; Conservative 57; MisMatches 123; Indels 83; Caps 7;

QY 28 WIKITLILWYLIFWMQMLGNSATIRVQVQKKGVLQKEVTDHMSLACSDILVFLIGM 87

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 30 WAKVLFETALYALIWAAGAGNALSVH--VLIKARAGRAGRRLRHVLSLAGLILLVGV 87

QY 88 PMEFYSTIWNPLTSSYTLCKLHTLFEGSATYUHLVLTISERYIATCIPFRYKAVS 147

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 88 PVELYSYWPHFWPWFVFRDGLGRRGYVYWHCLAYTSLVAGLSAERCLAVCOPBLRSSL 147

QY 148 GPCOVKLILGFVWVTSALVALPFLAMGTEYPLVNPSHRGLTCNRSSTRHHEQPETSNM 207

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 148 TPRTRRWLVALSWASIGLALPMAVIMGKHELETADG-----EPEPAS- 191

QY 208 SICTNLSRWTWFOSSFGAFVWVYLWLSVAFMCNNMQVLMKSQKGSLAGTTRPPQLR 267

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 192 RVCTVLVR-----TALQVFQ----- 208

Db 192 RVCTVLVR-----TALQVFQ----- 208

Db 192 RVCTVLVR-----TALQVFQ----- 208

Db 209 -----EAIWVMVYICWLPHARIMCYVDPDAWTDPLYNFHYFYM 250

QY 328 FSETFFYLSVINVPLLYTVSSQFRVFWQVLCRSLQHANHE-KRLRVHAHSTT 382

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 209 -----EAIWVMVYICWLPHARIMCYVDPDAWTDPLYNFHYFYM 250

QY 329 FSETFFYLSVINVPLLYTVSSQFRVFWQVLCRSLQHANHE-KRLRVHAHSTT 382

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 251 VTNTLFYVSSAVTPLLNAVSSSSFRKLFLEAVS---SLCGEHHPMKRKLPPKQSP 303

RESULT 8

; US-09-372-498-2

; Sequence 2, Application US/09372498

; Patent No. 616682

; GENERAL INFORMATION:

; APPLICANT: Deek J. Bergsma

; APPLICANT: Usman Shabon

; TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2

; FILE REFERENCE: GH-5002-1

; CURRENT APPLICATION NUMBER: US/09/372, 498

; CURRENT FILING DATE: 1999-08-11

; PRIOR APPLICATION NUMBER: 08/632, 399

; PRIOR FILING DATE: 1991-04-02

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 319

; TYPE: PRT

; ORGANISM: HOMO SAPIENS
 ; US-09-372-498-2

Query Match 15.9%; Score 370.5; DB 4; Length 319;
 Best Local Similarity 26.1%; Pred. No. 1.4e-28; Mismatches 123; Indels 83; Caps 7;

; Matches 93; Conservative 57; MisMatches 123; Indels 83; Caps 7;

QY 28 WIKITLILWYLIFWMQMLGNSATIRVQVQKKGVLQKEVTDHMSLACSDILVFLIGM 87

; | :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :

Db 30 WAKVLFETALYALIWAAGAGNALSVH--VLIKARAGRAGRRLRHVLSLAGLILLVGV 87

QY 88 PMEFYSTIWNPLTSSYTLCKLHTLFEGSATYUHLVLTISERYIATCIPFRYKAVS 147

Db 88 PVELYSYWPHFWPWFVFRDGLGRCGYVYHLCAYAVLIVSAGLSAERCLAVCOPBLRSSL 147

Db 148 GPCOVKLILGFVWVTSALVALPFLAMGTEYPLVNPSHRGLTCNRSSTRHHEQPETSNM 207

Db 148 TPRTRRWLVALSWASIGLALPMAVIMGKHELETADG-----EPEPAS- 191

QY 208 SICTNLSRWTWFOSSFGAFVWVYLWLSVAFMCNNMQVLMKSQKGSLAGTTRPPQLR 267

Db 192 RVCTVLVR-----TALQVFQ----- 208

QY 268 KSESEESRSTARQTIFRLVILWLVCMRPNQIRMAAKPKHDWTSYRAYMILLP 327

Db 209 -----EAIWVMVYICWLPHARIMCYVDPDAWTDPLYNFHYFYM 250

QY 328 FSETFFYLSVINVPLLYTVSSQFRVFWQVLCRSLQHANHE-KRLRVHAHSTT 382

Db 251 VTNTLFYVSSAVTPLLNAVSSSSFRKLFLEAVS---SLCGEHHPMKRKLPPKQSP 303

RESULT 9

US-09-077-675A-3

; Sequence 3, Application US/09077-675A

Patent No. 6342199

GENERAL INFORMATION:

APPLICANT: Pai, Lee-Yuh

APPLICANT: Feighner, Scott C.

APPLICANT: Howard, Andrew D.

APPLICANT: Pong, Sheng-Shung

APPLICANT: Van der Ploeg, Leonardus H. T.

TITLE OF INVENTION: RECEPTOR ASSAY

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSE: Merck & Co., Inc.

STREET: P.O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: RASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/077-675A

FILING DATE: 3-JUN-1998

CURRENT FILING DATE:

PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:

PRIORITY NUMBER: 42,452

NAME: Cocuzzo, Anna L.

REFERENCE/DOCKET NUMBER: 19590P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-4723

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 353 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: protein

US-09-077-675A-3

Query Match 13.3%; Score 310; DB 4; Length 353;
 Best Local Similarity 27.8%; Pred. No. 1.5e-22; Mismatches 139; Indels 40; Gaps 12;

Db 30 WAKVLFETALYALIWAAGAGNALSVH--VLIKARAGRAGRRLRHVLSLAGLILLVGV 87

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 361 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: protein

US-09-077-675A-8

Query Match 12.8%; Score 299; DB 4; Length 361;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 366 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLogy: linear
MOLECULE TYPE: protein
US-09-077-675A-13

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

Query Match 12.8%; Score 299; DB 4; Length 366;
Best Local Similarity 27.8%; Pred. No. 1.9e-21; Mismatches 118; Indels 64; Gaps 12;

Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

RESULT 12
US-09-077-675A-13
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US-09-077,675A
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coccuzzo, Anna L.
; REGISTRATION NUMBER: 42,452

APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: COCUZZO, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 302 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-675A-2

Query Match 12.3%; Score 287.5; DB 4; Length 302;
Best Local Similarity 28.5%; Pred. No. 2e-20;
Matches 83; Conservative 59; Mismatches 114; Indels 35; Gaps 10;

Qy 71 HMVSLACSDILVFLIGMPMEYSIWINPLTSSYTLCKHTEFLFEACSYATLHLVLTIS 130
Db :: ||| :||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 17 YLSSMAFSDSLIFLC-MPDLVIR-LWQYRPWNLGNLKLQFQVSCTYAVLVTIALS 74
Qy 131 FERYTAICHPRYKAVSGPCQVLLGFWVTSALVALPLAFAMGTEYPLVNPSHRLT 190
Db ||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 75 VERYFAICPPLRKAVVTKGRKVLYVTFWVAFCSAGPIFLVGEHD----- 123
Qy 191 CNRSSTRHHEOPETSNSMSICTNLSNTFVFOSSIFGAFFVY-LVVLISVAFMCWNMQYL 249
Db | :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 124 -NGTDPRDTNECRATEFAVRSGILT-VWWVSSVFELPVCLTVLISL-----IGRKL 175
Qy 250 MKSQKSLSLAGTTRPQLRKSEESRTRARQTIELRLIVVTLAVCWMQPIRRMAAK 309
Db ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 176 WRKRKGAAVGS--SLRDQN-----HKQTVKMLAVVFAFIICLWLPPFHGRYLFSKS 225
Qy 310 PKHDWTR-SYFRAYMILLPFSETTYLSSVNPILYTVSSQQFRVFWQYL 359
Db ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 226 LEPGSVYELIAQISOYCNLVSF--VLFYLSAAINPILYNIMSKKYRVAVFKLL 274

RESULT 14
US-09-077-675A-7
Invention 7, Application US/09077675A

GENERAL INFORMATION:
APPLICANT: Pai, Lee-Yuh
APPLICANT: Feighner, Scott C.
APPLICANT: Howard, Andrew D.
APPLICANT: Pong, Sheng-Shung
APPLICANT: Van Der Ploeg, Leonardus H.T.
TITLE OF INVENTION: RECEPTOR ASSAY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0000
COMPUTER READABLE FORM:
COMPUTER: IBM Compatible
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,675A
FILING DATE: 3-JUN-1998
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: COCUZZO, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 302 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-675A-7

Query Match 11.8%; Score 275.5; DB 4; Length 302;
Best Local Similarity 28.0%; Pred. No. 3e-19;
Matches 85; Conservative 53; Mismatches 105; Indels 61; Gaps 11;

Qy 71 HMVSLACSDILVFLIGMPMEYSIWINPLTSSYTLCKHTEFLFEACSYATLHLVLTIS 130
Db :: ||| :||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 17 YLSSMAFSDSLIFLC-MPDLVIR-LWQYRPWNLGNLKLQFQVSCTYAVLVTIALS 74
Qy 131 FERYTAICHPRYKAVSGPCQVLLGFWVTSALVALPLAFAMGTEYPLVNPSHRLT 190
Db ||| ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 75 VERYFAICPPLRKAVVTKGRKVLYVTFWVAFCSAGPIFLVGEHD----- 123
Qy 191 CNRSSTRHHEOPETSNSMSICTNLSNTFVFOSSIFGAFFVY-LVVLISVAFMCWN 249
Db | :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 123 --ENQDTPDNTNECRTEFAVRSGILT-VWWVSSIFFLPVCLTVLISL----- 170
Qy 245 MMQVLMKSOKGSLAGTTRPQLRKSEESRTRARQTIELRLIVVTLAVCWMQPIRR 304
Db ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 171 IGRKLWRRRGDAVYGA--SLRDQN-----HKQTVKMLAVVFAFIICLWLPPFHGRY 220
Qy 305 MAAKPKHDWTR-SYFRAYMILLPFSETTYLSSVNPILYTVSSQQFRVFWQYL 359
Db ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;| :| ;|
Db 221 L-----FSKRFPGSLEIAQISOYCNLVSP--VLFYLSAAINPILYNIMSKKYRVAV 270
Qy 356 VQVLI 359
Qy ;| ;|
Db 271 FRLL 274

RESULT 15
US-08-153-848-40
Sequence 40, Application US/08153848
; Patient No. 5759804

GENERAL INFORMATION:
APPLICANT: Godisra, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schwekart, Vicki L.
TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
ADDRESSEE: Bicknell
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60605
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

Search completed: January 8, 2002, 23:04:07
Job time: 2287 sec

